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Insights on the Seismogram Database at the Timisoara Seismological Observatory, National Institute for Earth Physics, Romania

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The Timisoara Seismological Observatory has a history of over 120 years and contributions to the early stages of seismic monitoring in Europe. It hosts a well-preserved collection of seismograms dating from the early 1950 until the late 2000. During the process of sorting and indexing chronologically the seismogram collection, recordings of nuclear tests on different types of instruments were identified.

National Institute of Earth Physics (NIEP) contributed to the Nuclear Explosion Legacy Data (NELD) repository with data from the archive of NIEP headquarters, that includes 80% the Romanian stations active in the study period (1950-2000).

A considerable volume of data on nuclear tests recorded at the seismic stations located in the Western part of Romania and stored in the archive of the Timisoara Observatory are yet to be added in the NELD repository. Such recordings were obtained from the seismic stations at Timisoara (TIM), Buzias (BZS), Susara (SSR), Gura Zlata (GZR), Banloc (BAN) and Siria (SIRR). In addition to identifying the recordings of interest and scanning them, metadata information is being gathered on the seismic stations and their instruments. Same procedures are applied as for NIEP's earlier contribution to NELD.

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